




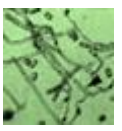





## Crop Disease Weather Calendar of *Rabi* season Pointed gourd (Powdery mildew disease): Rongpur Region (Districts: Rajshahi, Chapainawabgonj, Naoga, Natore) Bangladesh

Region: Rongpur		<i>Rabi</i> season Pointed Gourd: Powdery mildew disease													Duration: 140-150 days									
Weather warning	Months	October				November				December					January		February							
	Max. Temp. (°C)	For infection: 32 °C and for disease development: 27 °C (warm, dry conditions)																						
	Min. Temp. (°C)	For infection: 10 °C and for disease development: 20 °C																						
	RH Max (%)	90% (Two hour or more hours of high humidity or dew on host)																						
	RH Min (%)	50%																						
	Rainfall (mm)	Lack of rainfall also favors the development of the disease																						
Weekly normal weather	Std. Week/Normal	40	41	42		43		44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
	Rainfall (mm)	58.0	53.0	35.5		10.0		4.0	3.0	2.0	0.0	1.0	0.0	2.5	0.0	2.5	1.0	2.5	2.0	1.0	1.0	1.5	3.5	1.5
	Max. Temp. (°C)	32.1	31.5	31.2		30.6		30.0	29.8	29.0	28.3	27.7	26.7	25.1	24.7	24.1	22.7	22.4	23.2	23.4	24.7	25.9	26.7	27.5
	Min. Temp. (°C)	24.9	24.0	22.5		21.0		20.0	19.0	17.5	16.4	15.0	14.2	13.5	12.5	11.5	10.9	10.4	10.8	10.8	11.8	12.7	13.7	14.4
	RH max (%)	95.5	95.4	95.2		95.0		94.5	94.4	94.6	94.9	94.9	95.0	95.4	95.8	96.1	96.0	96.0	95.8	95.7	95.5	94.3	93.7	92.9
	RH Min (%)	69.3	67.9	64.5		60.8		58.7	55.9	54.0	50.9	50.6	53.5	56.2	56.2	55.2	58.5	57.8	56.2	54.2	51.6	48.0	47.1	45.3
	SS hr (hrs)	42.5	46.0	51.5		56.5		55.5	55.0	52.0	54.0	53.0	49.5	41.5	42.5	40.0	36.0	36.5	39.5	41.0	44.0	48.5	50.0	51.5
Growth stage																								
Disease Life cycle		Spouting & Seedling				vegetative growth					Flowering & fruiting					Harvesting								
																								
		Spore deposition	Spore germination	Germ tube penetration	Disease development	Disease cycle continued up to fruiting stage																		